

## INTERNATIONAL SEARCH REPORT

 Internat Application No  
 PCT/DE 02/00337

 A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 H01S5/183

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 H01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 5 557 626 A (LEBBY MICHAEL S ET AL) 17 September 1996 (1996-09-17) column 4, line 24-35; figure 3	1-3,5,6, 8,11,12 4,7,9
X A	EP 0 939 471 A (NIPPON TELEGRAPH & TELEPHONE) 1 September 1999 (1999-09-01) column 4, line 6,7; figure 2	1,2,4,6, 11 7-10,12
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 12, 31 October 1998 (1998-10-31) & JP 10 200210 A (NEC CORP), 31 July 1998 (1998-07-31) abstract	1,9,11
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

5 February 2003

Date of mailing of the international search report

13/02/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PATENT ABSTRACTS OF JAPAN vol. 018, no. 240 (E-1545), 9 May 1994 (1994-05-09) &amp; JP 06 029611 A (NEC CORP), 4 February 1994 (1994-02-04) abstract</p> <p>-----</p>	1,7



## INTERNATIONAL SEARCH REPORT

Information on patent family members

Internati

Application No

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5557626	A	17-09-1996	JP	8181393 A	12-07-1996
EP 0939471	A	01-09-1999	EP	0939471 A1	01-09-1999
			JP	11312847 A	09-11-1999
JP 10200210	A	31-07-1998	NONE		
JP 06029611	A	04-02-1994	JP	2757633 B2	25-05-1998



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